SERIES 6
693

LED TV
Installation manual

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Model _____ Serial No. _____

SAMSUNG

Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearance. Product design and specifications may be changed without notice.

Introduction

This TV B2B (Business to Business) model is designed for hotels or the other hospitality businesses, supports a variety of special functions, and lets you limit some user (guest) controls.

Operational Modes

This TV has two modes : Interactive and Stand-alone mode.

- Interactive mode : In this mode, the TV communicates with and is fully or partially controlled by a connected Set Back Box (SBB) or Set Top Box (STB) provided by a hospitality SI (System Integration) vendor. When the TV is initially plugged in, it sends a command that attempts to identify the SSB or STB connected to it. If the TV identifies the SBB or STB and the SBB or STB identifies the TV, the TV gives full control to the SBB or STB.
- Stand-alone mode : In this mode, this TV works alone without an external SBB or the STB.

The TV has a Hotel (Hospitality) Menu that lets you easily set its various hospitality functions. Please see pages 15 to 19.
The Menu also lets you activate or de-activate some TV and hospitality functions so you can create your optimal hospitality configuration.

Still image warning

Avoid displaying still images (such as jpeg picture files) or still image elements (such as TV channel logos, panorama or 4:3 format images, stock or news bars or crawls) on the screen. Displaying still pictures continually can cause uneven screen wear, which will affect image quality. To reduce the chance that this effect will occur, please follow the recommendations below:

- Avoid displaying the same TV channel for long periods.
- Always try to display a full screen image.
- Reduce brightness and contrast to help to prevent the occurrence of after-images.
- Frequently use all TV features designed to reduce image retention and screen burn-in. Refer to the proper user manual section for details.

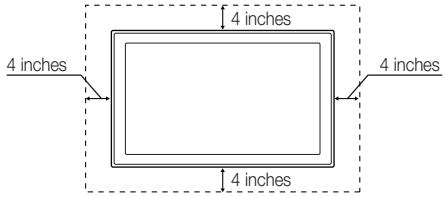
Ensuring Proper Ventilation

When you install the TV, maintain a distances of at least 4 inches between the TV and other object (walls, cabinet sides, etc.) to ensure proper ventilation. Failing to maintain proper ventilation may result in a fire or problems with the product caused by an increase in its internal temperature.

✎ When using a stand or wall-mount, use parts provided by Samsung Electronics only.

✎ Using parts provided by another manufacturer may cause difficulties with the product or result in injury caused by the product falling.

Installation with a wall-mount.



Additional Information

✎ The appearance of the TV and its accessories may differ from the illustrations in this manual, depending on the TV.

✎ Be careful when the you touch the TV. Some parts can be hot.

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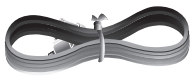
Accessories

✎ Please make sure the following items are included with your LED TV. If any items are missing, contact your dealer.

✎ The items' color and shape may vary, depending on the model.

List of Parts

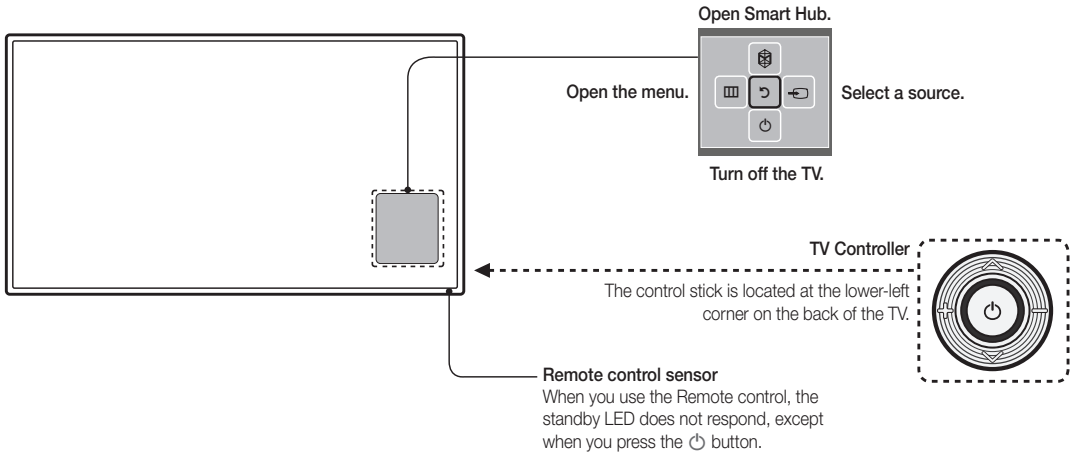


• Power Code	• Safety Guide / Quick Setup Guide (Not available in all locations)

Using the TV's Controller

✎ The color and shape of the TV Controller may vary depending on the model.

✎ The TV's Controller, a small joy stick like button on the bottom right side of the TV, lets you control the TV without the remote control.



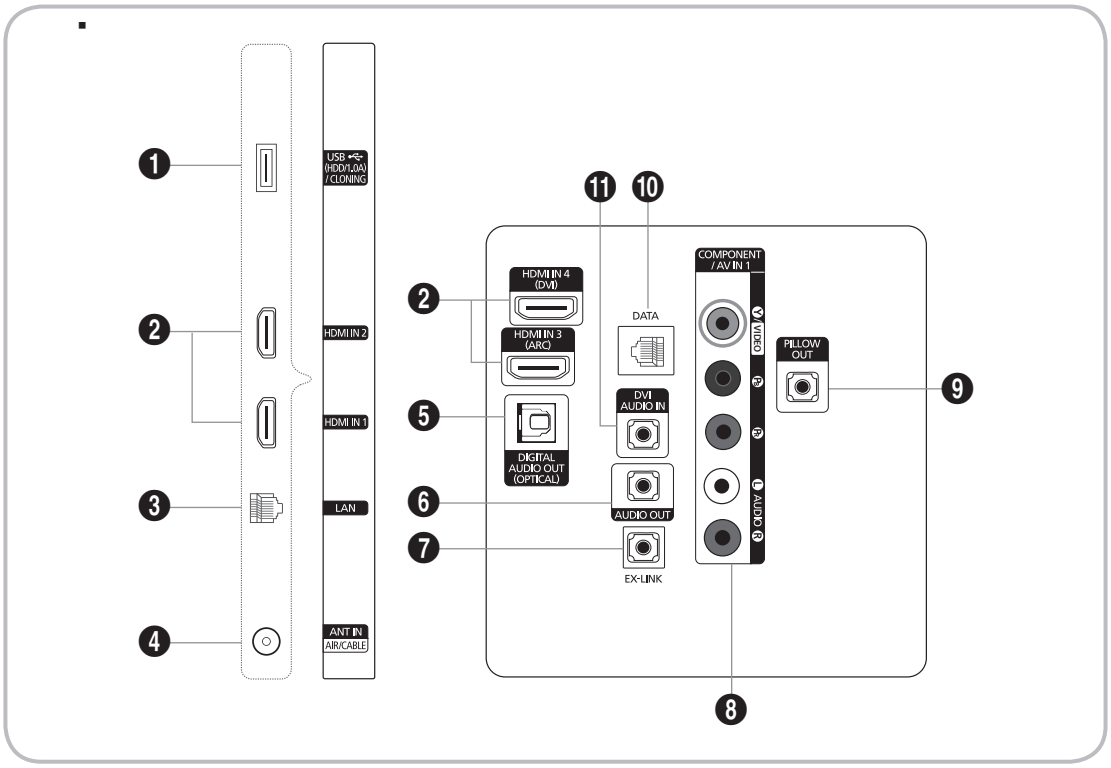
Power on	Turn the TV on by pressing the Controller when the TV is in standby mode.
Adjusting the volume	Adjust the volume by moving the Controller from side to side when the power is on.
Selecting a channel	Select a channel by moving the Controller backwards and forwards when the power is on.
Using the Function menu	To view and use the Function menu, press and release the Controller when the power is on. To close the Function menu, press and release the Controller again.
Selecting the MENU (▥)	With the Function menu visible, select the **MENU** (▥) by moving the Controller to the left. The OSD (On Screen Display) Menu appears. Select an option by moving the Controller to the right. Move the Controller to the right or left, or backwards and forwards to make additional selections. To change a parameter, select the it, and then press the Controller.
Selecting SMART HUB (⬡)	With the Function menu visible, select **SMART HUB** (⬡) by moving the Controller upwards. The **SMART HUB** main screen appears. Select an application by moving the Controller, and then pressing the Controller.
Selecting a Source (⮆)	With the Function menu visible, open the **Source screen** (⮆) by pushing the Controller to the right. The **Source** screen appears. To select a source, move the Controller back and forth. When the source you want is highlighted, press the Controller.
Power Off (⏻)	With the Function menu visible, select **Power Off** (⏻) by pulling the Controller forwards, and then press the Controller.

✎ To close the Menu, **SMART HUB**, or Source, press the Controller for more than 1 second.

Standby mode

Your TV enters Standby mode when you turn it off, and continues to consume a small amount of electric power. To be safe and to decrease power consumption, do not leave your TV in standby mode for long periods of time (when you are away on vacation, for example). It is best to unplug the power cord.

The Connection Panel



✎ Whenever you connect an external device to your TV, make sure that the TV and the device are turned off.

✎ When connecting an external device, match the color of the connection terminal to the cable.

❶ USB (HDD/1.0A) / CLONING
- Connector for software upgrades and Media Play, etc.
- Service connection.

❷ HDMI IN 1, 2, 3(ARC), 4(DVI) : Connects to the HDMI jack of a device with an HDMI output.

✎ No separate sound connection is needed for an HDMI to HDMI connection. HDMI connections carry both audio and video.

✎ Use the HDMI IN 4 jack for a DVI connection to an external device. Use a DVI to HDMI cable or DVI-HDMI adapter (DVI to HDMI) for the video connection and the DVI AUDIO IN jack for audio. Some DVI or HDMI devices may not or should not need a DVI AUDIO IN connection for audio.

✎ It is recommended that the external device of the HDMI 1.3 or 1.4 version will be used with this TV. If you meet the compatible problem like no sound or the abnormal screen or etc with the device of the HDMI 1.2 version, contact to the Samsung customer care center. Refer to page 43 for the information of the Samsung customer care center.

❸ LAN: Connect to a wired LAN using CAT 7 cable.

❹ ANT IN (AIR/CABLE)
- To view television channels correctly, the TV must receive a signal from one of the following sources:
- An outdoor antenna / A cable television system / A satellite receiver.

❺ AUDIO OUT: Connects to the audio input jacks on an Amplifier/Home Theater.

❻ DIGITAL AUDIO OUT (OPTICAL): Connects to a Digital Audio component.

❼ EX-LINK : Connect this jack to the jack on the optional RJP (Remote Jack Pack). The RJP allows you to connect external devices (Camcoders, PCs, DVD players, etc) easily.

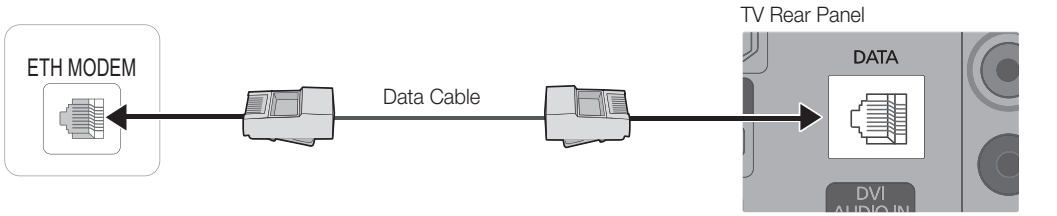
❽ COMPONENT IN / AV IN 1
- Use to connect to Component video / audio devices such as DVD players and AV (Composite) devices such as VCRs.
- Connect audio cables to "R-AUDIO-L" on your TV and the other ends to corresponding audio out jacks on A/V or Component devices.
- The **COMPONENT IN** jack is also used as the **VIDEO 1** jack.
- Connect component video cables (not supplied) to the component jacks ("PR", "PB", "Y") on the rear of your TV and the other ends to corresponding component video out jacks on a DVD player. Match the colors on the jacks and cables.
- If you want to connect both a Set-Top Box and a DVD player, you should connect the Set-Top Box to the DVD and connect the DVD to the component jacks ("PR", "PB", "Y") on your TV.
- The PR, PB and Y jacks on your component devices (DVD) are sometimes labeled Y, B-Y and R-Y or Y, Cb and Cr.
- For AV devices, connect RCA audio cables (not supplied) to "R - AUDIO - L" on the rear of the TV set and the other ends to corresponding audio out jacks on an external device.
- When your are connecting a composite (AV) device to AV IN1 [Y/Video], connect the video cable (Yellow) to the **AV IN1 [Y/VIDEO]** jack (Green/Yellow) .

❾ **PILLOW OUT** : Connect the pillow speaker. Refer to page 9 for more information.

❿ DATA
- Used to support data communication between the TV and the external SBB or STB.
- Connects using an RJ-12 type of plug.

⓫ **DVI AUDIO IN**: Connects to the audio out jack of an external DVI device using a 1/8th inch stereo phone jack cable. Some DVI devices may not or should not need this connection audio.

Connecting the TV to a SBB or STB of a SI vendor

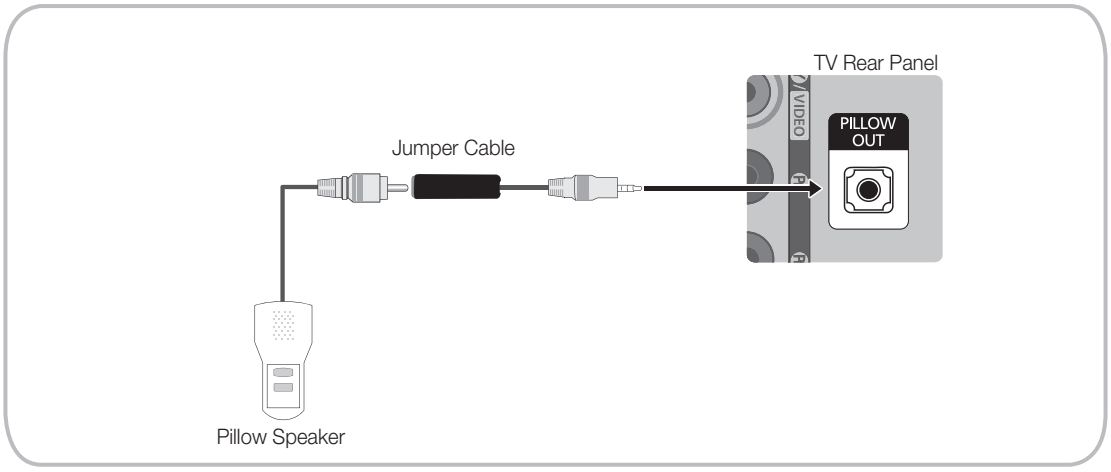


1. Connect the **DATA** jack of the TV to the **ETH MODEM** jack of the STB (SBB) with the Data cable.

   ✎ The "ETH MODEM" jack name that you connect the Data Cable to may differ depending on the SBB or STB type.

Connecting a Pillow Speaker (HC693 Models only)

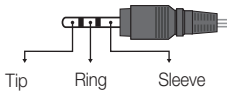
You can connect a pillow speaker to the TV in the hospital using a jumper cable. The speaker functions as a remote control and speaker.



1. Connect the pillow speaker jumper cable (cable sold separately) from the television's **PILLOW SPEAKER** Port to the pillow speaker jack on the wall behind the television.

Pillow Speaker Jack Specifications

- Output jack: RCA type
- Input jumper pin: 1/8" 3-conductor stereo phone pin.
- Signal specifications: Tip-Audio, Ring-Data/Channel change, Sleeve-Common



How to Use the Pillow Speaker

- Analog type speaker: The pillow speaker has one key.
  - Power On: press the key when the TV is in standby mode.
  - Channel Up: press the key when the speaker is on.
  - Power Off: press and hold the key for more than 3 seconds when the speaker is on.
  - An Analog type speaker always works regardless of the Pillow Speaker Type value set in the Hospital mode setup menu.

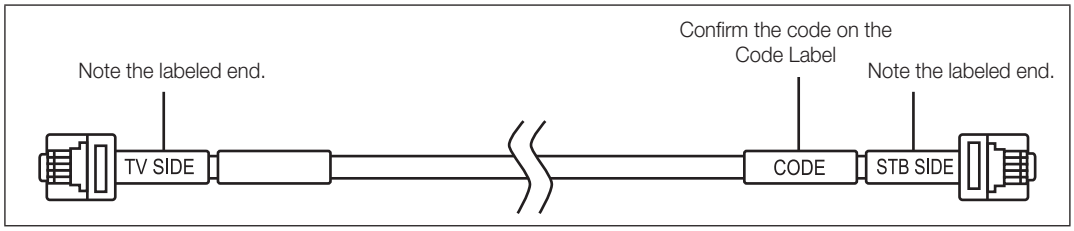
- Digital type speaker: The TV supports the Samsung, Philips, or Zenith code.
  - This speaker is only compatible with a specified IR code. You can change the code in the Hospital mode setup menu.
  - The TV gives priority to the Samsung remote control over the pillow speaker's wired remote control.
  - Option : Channel Menu Display.

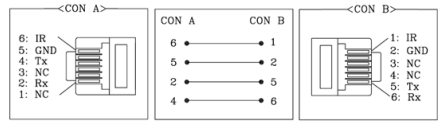
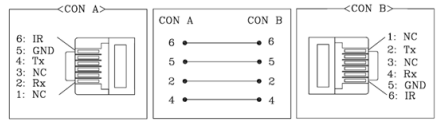
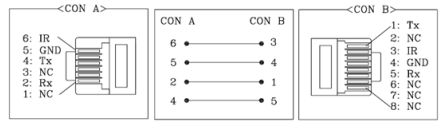
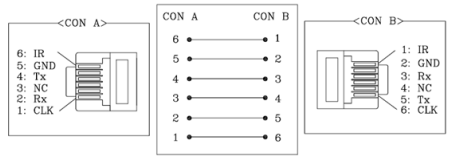
Pillow Sound Control

Speaker Selection Menu	TV Speaker	Pillow Speaker
TV Speaker	Sound	Sound
External Speaker	No Sound	Sound

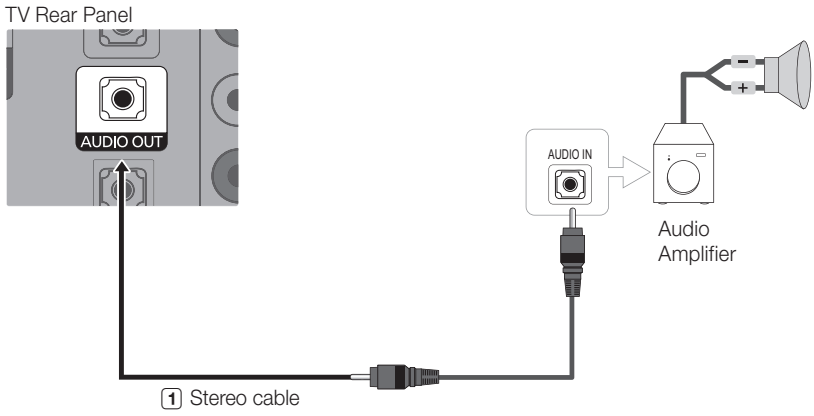
List of Hospitality SI Vendors and Compatible Data Cables Supplied with the TV

- Confirm you are using the correct data cable for your SI vendor. Refer to the code label on the data cables.
- Contact your nearest dealer or your SI Vendor to buy the data cable not included in the TV.



SI Vendor	Cable code	Pin assign	Remark
Samsung OCC Enseo Guest-Tek	BN39-00865B		
NXTV	BN39-01011B		
nStreams	BN39-01110A		
Sonifi	BN39-01011E		

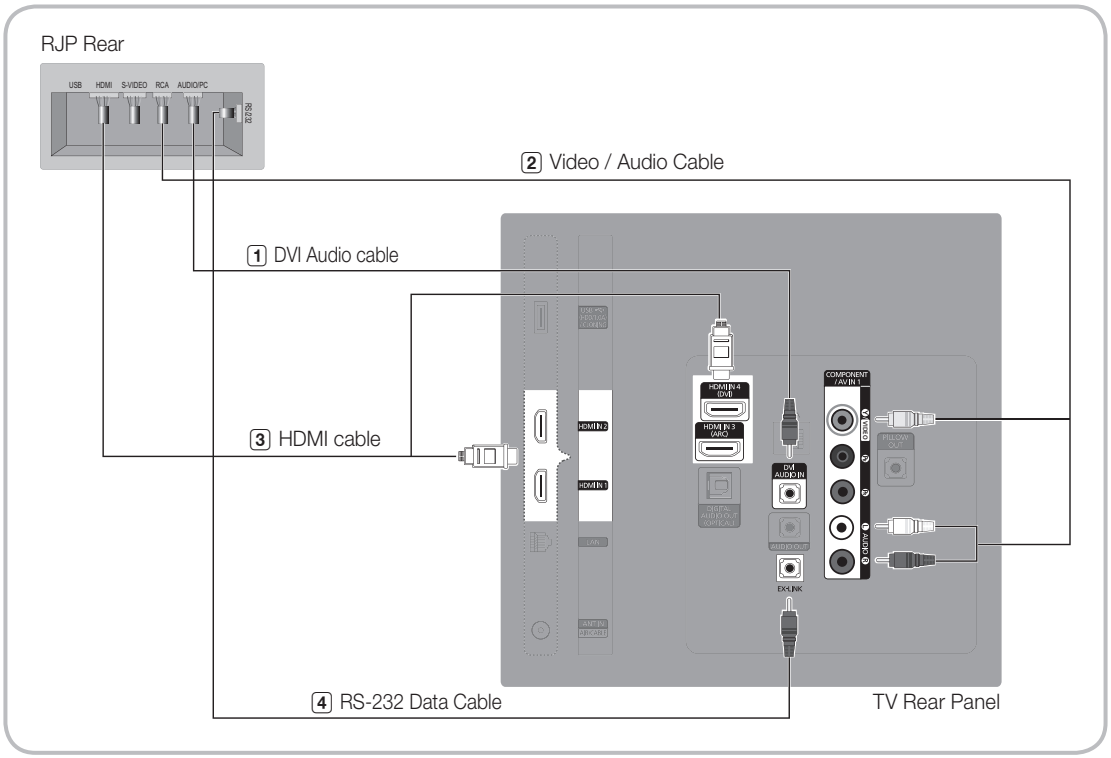
Connecting the Audio Output to an Audio Amplifier



1. Connect the **AUDIO OUT** port of the TV to the Audio In port of an audio amplifier with a stereo cable.

Connecting the RJP (Remote Jack Pack)

Connect the input jacks on the TV to the RJP. The RJP lets guests connect audio and video sources to the TV.



1. Connect the **DVI AUDIO IN** port of the TV to the PC/AUDIO port of the RJP.
2. Connect the **COMPONENT IN [VIDEO] / [R-AUDIO-L]** port of the TV to the RCA port of the RJP.
3. Connect the **[HDMI]** port of the TV to the HDMI port of the RJP.
4. Connect the **EX-LINK** port of the TV to the RS/232 port of the RJP.

✎ This Samsung TV is compatible with the TeleAdapt TA-7610 RJP only.

- **RJP (Remote Jack Pack)**: The RJP is a hardware module that has various Audio and Video inputs (A/V Video, A/V Audio, PC and HDMI) and corresponding outputs. The corresponding outputs are connected from the RJP to the TV.
  The RJP communicates with the TV via RS232. The RJP communicates with the TV by sending messages regarding Active/Inactive sources.
  – A group of hospital menu items let you assign numbered priorities to the jacks of the RJP. (See page 16). 1 is the highest priority and 3 is the lowest. When a guest connects external sources to the RJP jacks, the TV will automatically switch between sources based on the priority you have assigned them in the Menu. For example, lets say AV is set to 1 and HDMI to 2. If a guest has attached a device to the HDMI jack, and then plugs a device into the AV jack, the TV automatically switches to the device plugged into the AV jack (the jack with the higher priority). Note that a guest can also switch between devices manually by pushing a button on the RJP.

- To reset the RJP to its factory default state, press the AV and HDMI buttons simultaneously for 10 seconds. When all button LEDs blink 5 times, the RJP reset is complete.

- The RJP will automatically turn off any LEDs after 5 minutes to avoid unnecessary light pollution in the hospital room. The LEDs that were turned off will turn on again if the guest touches any of the buttons and the 5 minute timer will restart. If the guest then touches another source button, the TV will change to the selected source and the corresponding LED will be lit.

- After an RJP Reset or a TV Power OFF/ON, it takes approximately 10 seconds to establish communications between the TV and the RJP.

- The following table shows the approximate time in seconds it takes to switch from the TV to an input source, based on assigned or default priorities.

  ✎ Scenario 1 : When no inputs are connected.

Source	To Connect
AV	2 Sec
PC	0.7 Sec
HDMI	3.9 Sec

  ✎ Scenario 2: When two or more inputs are connected to the RJP and one of the input sources is disconnected and then reconnected.

Source	Disconnect	To Connect	Total
AV	4.5 Sec	2 Sec	6.5 Sec
PC	0.7 Sec	0.7 Sec	1.4 Sec
HDMI	3.9 Sec	3.9 Sec	7.8 Sec

  ✎ An example: If the RJP has all its live sources (AV, PC, and HDMI) connected, AV has been assigned the highest priority, the RJP is in HDMI mode, and a guest removes and reconnects the AV source, the minimum time required to switch to the AV source is 6.5 seconds.
- To play audio devices (Ipods, MP3 devices, etc.) through the RJP, you must turn Music Mode AV in the menu on. (See page 16)
- Music mode in the TA-7610 RJP is supported by the AV jack only. HDMI Music mode is available for the Guestlink RJP only.

Setting the Hospital Option Data

To let you control how the TV functions when in Hospital mode, the TV has two Hospital mode menus, the Stand-alone mode menu and the Interactive mode menu. The menu items that differ between the modes are listed below.

Menu items in the Stand-alone mode only:

- SI Vendor : SSCP
- REACH Server and its submenus.

Menu items in the Interactive mode only:

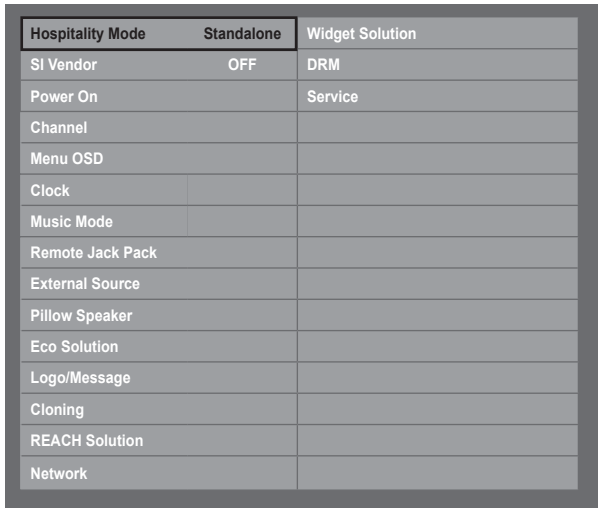
- SI Vendor: Samsung and other vendors.

All other items appear in both modes.

To access the menus, press **MUTE** → **1** → **1** → **9** → **ENTER** on your Samsung remote.

After a menu appears, follow these general directions to navigate and change values:

- Use the Up and Down arrow buttons on the Samsung remote to move from menu item to menu item.
- Press the Enter or Left or Right arrow buttons to select a menu item. The screen displays that menu item only.
- Press the Left or Right arrow button to change a value. The Right arrow button increases numerical values. The Left arrow button decreases numerical values.
- When the screen is displaying one menu item, you can press the Up or Down arrow button to display the next or previous menu item.
- Press the **RETURN** or **MENU** button to exit the current menu item and go to a higher menu level or the Main menu.
- To exit a Hospital mode menu, turn off the TV, and then turn it on again. Any changes you made are saved except changes to SI Vendor. For changes to SI Vendor, you must turn the TV off, wait until the Standby light glows steadily, then unplug the TV, wait for the Standby LED to go off, and then plug the TV in again.



Above: The Hospital mode menu.

To change menus between the interactive mode and the standalone mode, follow the steps below :

1. Highlight the Hospitality Mode menu item in the top left corner of the menu.
2. Press the left or right arrow button on the Samsung remote. Only the Hospitality Mode menu item is displayed.
3. Press the left or right arrow button to change the Hospitality Mode item from Standalone to Interactive or from Interactive to Standalone.
4. Press the Return or Menu button on the remote. The entire menu re-appears with your selection displayed in the Hospitality Mode field.

✎ After you have set the values in one TV, you can clone those values to multiple TVs. See USB Cloning on page 22.

Menu Items

To Enter this menu: Press the **MUTE → 1 → 1 → 9 → ENTER↵** buttons in order.

To exit from this menu : Power Off (or Power Off and unplug if you have changed SI Vendor), and then turn on again. Any changes you made are saved.

Menu	Item	initial Value	Description
Hospitality Mode	Hospitality Mode	Standalone	Select Hospitality mode. • Interactive mode : Samsung / MTI / TELEHEALTH / Innvue. • Stand-alone mode : OFF, SSCP
SI Vendor	SI Vendor	Samsung	• Interactive mode : Samsung / OCC / MTI / Nstreams / NXTV / Enseo / Cardinal / Guestek / Seachange / EBL • Stand-alone mode : OFF / Smoovie
Power On	Power On Channel	Last Saved	Set the default values that will be applied when the TV is turned. • User Defined : Lets you set Power On Channel and Channel Type manually. See Power On Channel and Channel Type below. • Last Saved : If you select this item, when the TV is turned on, it displays the channel it was displaying when it was turned off.
	Power On Channel Num	…	When the TV is turned on, it switches automatically to this channel.
	Power On Channel Type	…	• Select channel band : AIR (analog air band), DTV (digital air band), CATV (analog cable band), CDTV (digital cable band).
	Power On Volume	Last Saved	• User Defined : Lets you set the Power On Volume manually. See Power On Volume below. • Last Saved : When the TV is turned on, it returns to the volume that had been set when the power had been turned off.
	Power On Volume Num	…	The TV turns on with this Volume Level in Stand Alone Hospitality mode.
	Min Volume	0	The minimum Volume Level the user can set in Stand Alone Hospitality mode.
	Max Volume	100	The maximum Volume Level the user in Stand Alone Hospitality mode.
	Power On Source	TV	Select the input source the TV displays when turns on.
	Power On Option	Last Option	Determines the TV's state when power returns after a power failure or after you have unplugged the TV and then plugged it in again. • LAST OPT : Returns to its last Power state. If it was in Stand-by, it returns to Standby. If it was on, it turns on. • Power On : When the power returns, the TV turns on. • Standby : When the power returns, the TV enters the Standby mode.
Channel	Channel Editor		The Channel Editor lets you edit the channels stored in the TV's memory. Using Channel Editor you can: • Change the channel numbers and names, and sort the channels in your desired channel number order. • Apply the video mute to channels you select. The video mute blanks out the video from a channel and outputs only the sound while displaying a speaker icon on the screen. The Channel Editor also lets you view information about each channel easily, without your having to display each channel directly.
	Channel Bank Editor		Lets you edit the channel bank that works with the item of Channel Bank Service Level or the Smoovie Remote. See page 30.
	Channel Bank Service Level	Normal	Set the limitation of access to the TV channels that the patient (or the guest) can watch with this item. See page 30. • Normal: All the channels available on the TV are accessible to the patient. • Bank1/2/3: Only the channels assigned to the selected channel bank in the Channel Bank Editor are accessible to the patient. • None: Channels cannot be changed by the patient. (The patient can watch only one channel set when TV is turned on.)
	Dynamic SI	OFF	• On : Check the DTV Program channel number. (DTV channel editor is inaccessible) • Off : No check of the DTV Program channel number. (DTV channel editor is accessible, but additional channel program number update is not supported)
	Channel Auto Store		Gives you direct, immediate access to Auto Program for searching channels.
	Mute On CC	OFF	• ON : If the Closed Caption feautre is working, TV sound is automatically mute. • OFF : TV sound is outputted regardless the Closed Caption feature.

Menu	Item	initial Value	Description
Menu OSD	Picture Menu Lock	OFF	Enable or disable the Picture Menu.
	Menu Display	ON	• On : The Main Menu is displayed. • Off : The Main Menu is not displayed.
	Panel Button Lock	Unlock	Turning the front panel (local key) operations on/off. • Unlock : Unlocks all panel keys. • Lock : Locks all panel keys. • OnlyPower : Locks all panel keys except the Power panel key. • Menu/Source : Locks the Menu and Source panel keys.
	Home Menu Display	ON	OFF: The Home Menu is not displayed. ON: The Home Menu is displayed.
	Home Menu Editor	…	Edit Home Menu .
	Home Menu Auto Start	…	ON:The Home Menu is Auto Start. OFF:The Home Menu is not Auto Start.
Clock	Clock Type	OFF	• OFF : The feature of SW Clock becomes not available. • SW Clock : If this item is selected and a user presses the INFO key of the remote twice consecutively in the standby mode of TV, the clok information is displayed in the screen of TV and then TV is turned off automatically.
	Local Time	Manual	Select the way to update the clock data • Manual : The clock is set automatically from the DTV channel or manually by the user when the TV is in stand-alone mode. • Time Channel : The clock is set from the selected channel.
	Time Channel Type	CDTV	Select channel band of the channel to get the time information : AIR (analog air band), DTV (digital air band), CATV (analog cable band), CDTV (digital cable band).
	Time Channel Num	1	Select the number of the channel to get the time information.
Music Mode	Music Mode AV	OFF	Allows music output from an mp3/audio player connected to an AV Input Source on the TV. When on, you can hear sound from the player through the TV whether there is a video signal or not. Also mutes the video so the TV does not display a picture when a guest is playing music. The TV's backlight, however, remains on.
	Music Mode Comp	OFF	Allows music output from an mp3/audio player connected to an Component Input Source on the TV. When on, you can hear sound from the player through the TV whether there is a video signal or not. Also mutes the video so the TV does not display a picture when a guest is playing music. The TV's backlight, however, remains on.
	Music Mode Backlight	OFF	When set to Off, the TV's backlight is turned off entirely when a guest uses the Music mode. To save energy, set to Off.
Remote Jack Pack	Priority AV	1	Lets you set the priority of the 7610 RJP AV jack. You can choose 1, 2, or 3, with 1 being the highest and 3 the lowest. The TV automatically displays the source with the higher priority. For example, lets say AV is set to 1 and HDMI is set to 2. If a guest has attached a device to the HDMI jack, and then plugs a device into the AV jack, the TV will automatically switch to the device plugged into the AV jack (the jack with the higher priority). Note that a guest can also switch devices manually by pushing a button on the 7610 RJP.
	Priority HDMI	2	Lets you set the priority of the 7610 RJP HDMI jack. You can choose 1, 2, or 3, with 1 being the highest and 3 the lowest. The TV automatically displays the source with the higher priority. See above for a more detailed explanation.
	AV Option	AV	Select which AV source of the TV is connected to the RJP jack.
	HDMI Option	HDMI 1	Select which HDMI source of the TV is connected to the RJP jack. (HDMI1/HDMI2/HDMI3)
	HDMI Music Mode	OFF	Allows music output from an mp3/audio player connected to an HDMI Input Source. When on, you can hear sound from the player through an HDMI input of the RJP whether there is a video signal or not. (This option is only compatible with the Guest link RJP.)
External Source	USB Pop-up Screen	Default	When USB is connected to the TV : • Default : a popup window appears. • Automatic : This enters the USB content menu automatically. • Disable : Neither the popup window nor the menu appears.
	External Source Banner	ON	If set to On, the TV displays the External Source Banner (information) when you change the TV source to another external input, press the Info key, or turn the TV on. • On : The External Source information is displayed on the TV screen. • Off : The External Source information is not displayed on the TV screen.
	Auto Source	OFF	• On : When an external input source is connected to the TV, the TV identifies the input source, and then automatically switches to that input source. • Off : Auto Source function is Off.
	Anynet+ Return Source	Power On Src	Select the return TV source after stopping an Anynet+(HDMI-CEC) connection. (This fuction is especially useful for the Guestlink RJP.)

Menu	Item	initial Value	Description
Pillow Speaker	Pillow Speaker Type	CZ	Select the type of Pillow Speaker. You must select the type of Pillow Speaker currently connected for it to operate properly. • CZ : the type of Zenith IR Code and 12V Vcc • CP : the type of Philips IR Code and 5V Vcc • CS : the type of Samsung IR Code and 12V Vcc
	Speaker Select	Main	Select the speaker where the TV sound is outputted. • Main : The TV sound is outputted in all of the TV speaker and Pillow Speaker. • External : The TV sound is outputted in Pillow Speaker only.
	Pillow Volume	OFF	You can control the volume level of Pillow Speaker. • High : The volume level of Pillow Speaker is high. • Normal : The volume level of Pillow Speaker is normal. • Low : The volume level of Pillow Speaker is low.
Eco Solution	Energy Saving	OFF	Adjusts the brightness of the TV to reduce power consumption. • Off : Turns off the energy saving function. • Low : Sets the TV to low energy saving mode. • Medium : Sets the TV to medium energy saving mode. • High : Sets the TV to high energy saving mode.
Logo/ Message	Welcome Message	OFF	Displays a the Welcome Message for 5 seconds when the TV turns On. See Page 20.
	Edit Welcome Message		Edits the Welcome Message.
	Hospitality Logo	OFF	Turns the Hospitality logo feature On or Off, If On, when the TV is turned on, the Logo is displayed, before the signal from the initial source, for the amount of time set in "Logo Display Time".
	Hospitality Logo DL	...	Downloads the Hospitality logo. Hospitality logo file requirements: • BMP or AVI files only. • Max file size : BMP - 960 X 540. AVI - 30MB. • The file can only be named samsung.bmp or samsung.avi.
	Logo Display Time	...	Hospitality Logo Display Time (3/5/7 seconds).
Cloning	Clone TV to USB		Clone the current TV options to a USB memory device.
	Clone USB to TV		Clone the saved TV options on a USB memory device to the TV.
	Setting Auto Initialize	OFF	Si activa la función Configurar inicialización automática y el televisor se apaga y enciende, los elementos del menú del televisor son restablecidos nuevamente a sus valores clonados inicialmente. See page 26.
REACH Server	REACH Server update Time	1hour	Lets you set when data such as updated SW, cloning files, and S-LYNC REACH contents is downloaded from the REACH server to the TV : • 1hour : Every hour • 2hour : Every 2 hours • 12:00 am : every 12:00 a.m. • 12:00 pm : every 12:00 p.m. • 2:00 pm : every 2:00 p.m.
	REACH Update Immediate	OFF	• On : Whenever the TV enters standby mode (the power cord is plugged in and the power is off), the REACH data is updated on the TV. • Off : The REACH data is only updated on the TV at the REACH server update time.
	REACH Server Channel	87	Assign a DTV channel number to carry the update REACH data. This channel number must be the same as the number set on the Reach server.
	REACH Server Version	0	Displays the current REACH data version.
	REACH Server Group ID	All	Select the group ID of the REACH server. (Refer to the REACH server manual for more details)
	S-LYNK REACH	Off	On : The S-LYNK REACH menu is displayed. Off : The S-LYNK REACH menu is not displayed.
	S-LYNK REACH Volume	ON	On : The TV sound of the current TV source is continuously outputted even when the S-LYNK REACH menu is displayed. Off : The TV sound of the current TV source is stopped when the S-LYNK REACH menu is displayed.
	IPG Room Type	Default	Selects the IPG room type of the REACH server. (Refer to the REACH server manual for the more information.)
	TICKER	OFF	• On : The TICKER content is displayed. • Off : The TICKER content is not displayed.

Menu	Item	initial Value	Description
Network	Network Setup		if this item is entered into, network setup menu is displayed. The network setup menu is used for setting network like access internet.
	SmartHub Model Setting		Set SmartHub Model.
	SmartHub Setting		Set up SmartHub.
Widget Solution	Widget Mode	ON	• ON : The TV mode is changed to the Widget mode that TV accesses to the hospitality server through IP connection and the guest uses various services and features through Widget of TV • OFF : The TV mode becomes normal the hospitality mode.
	Solution Type	Vendor Server	Select the the type of the solution server installed in your site for the widget service. • Vendor Server : in the case of that the special SI vendor of the server is installed in your site. • SINC Server : in the case of that the Samsung SINC server is installed in your site.
	Server URL Setting		if this item is entered into, URL of the solution server can be inputted.
	License Server IP Setting		if this item is entered into, URL of the license server can be inputted.
	IPTV Mode	ON	• ON : The IPTV mode that watches the broadcasting through the IP network is enable. • OFF : The IPTV mode is not disable
	Virtual Standby	OFF	TV can supply the main feature in the standby mode if The TV mode is set to the Virtual Standby mode. • ON : The Virtual Standby mode is enable. • OFF : The Virtual Standby mode is disable. When Virtual Standby is On, TV power consumption will be 9.5W to 17.4W (Depending on ithe size of the TV screen).
	Instant On	OFF	The fast TV booting mode On/Off.
	Room Num Setting		set the room number
DRM	DRM Mode	Pro:idiom	Configures DRM support. OFF : Turns off DRM support. LYNK DRM : Select to turn on S-LYNK DRM CAS support only. Pro:idiom : Select to turn on Pro:Idim CAS support only. LYNK DRM,PI : Select to have the TV support S-LYNK DRM CAS and Pro:Idiom CAS.
	PI AES Data	0xD27B	Displays the current state of Pro:Idion AES
	PI AES Log	OFF	• ON : Output of Pro:Idiom AES log is enable. • OFF : Output of Pro:Idiom AES log is disable.
	View PI AES Log	...	if this item is entered into, the Pro:Idiom AES log is displayed.

Menu	Item	initial Value	Description
System	Self Diagnosis for TV	…	• Enter Self Diagnosis Menu. Picture Test: Use to check for picture problems. If the problem appears in the test picture, select Yes and follow the directions on the screen. • Sound Test: Use the built-in melody sound to check for sound problems. If the problem occurs during the test, select Yes and follow the directions on the screen.
	Self Diagnosis for HTV	…	Lets you check the state of Pro:Idiom and its communication with the SI STB or SBB. If you have any problems with the Pro:idiom encryption channel or the communications with the SI STB or SBB, use this diagnosis function. If Pro:Idiom DTV Channel Key Loss appears to have failed and the Pro:Idim encryption channel has failed to play content, first check the broadcasting systems related to Pro:Idiom encryption. If your broadcasting system does not have a problem, contact Samsung Service. If STB SI Vendor Setting appears to have failed and communication with the SI STB or SBB has failed, first check your SI STB or SBB. If your SI STB or SBB does not have a problem, contact to Samsung Service.
	SW Update	…	Lets you upgrade the TV SW with a USB memory stick. See Page 29.
	Service Pattern	OFF	Lets you check the state of the TV picture by displaying picture test patterns. Press the Menu button to turn off the test patterns and exit.
	ATV Cable AGC Gain	Default	Lets you control the AGC gain of the analog cable channels. Don't change the default value unless problems occur.
	DTV Open Cable AGC Gain	Default	Lets you control the AGC gain of the digital cable channels. Don't change the default value unless problems occur.
	Contact to Samsung		If this item is entered into, the information about this TV is displayed.
	TV reset		Returns all settings on the TV to their factory defaults.

✎ REACH (Remote Enhanced Active Control for Hospitality) is a professional, interactive remote controller that lets you deliver TV firmware updates, cloning data, channel mapping changes, S-LYNK REACH contents, and TICKER contents through RF DTV to several hundred hospitality TVs simultaneously. The REACH functions are available only in stand-alone mode. The REACH Server is sold separately. Refer to the REACH server manual enclosed with the REACH server product for more operating information.

Welcome Message

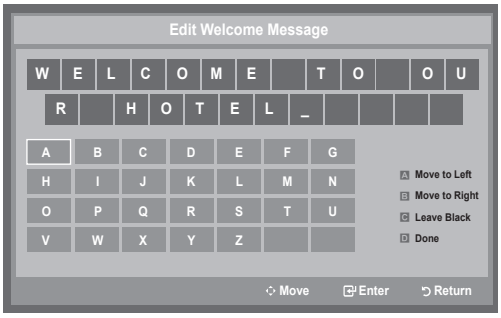
The Welcome Message feature displays a custom message on the TV every time it is turned on.

- Welcome message settings are in the Hospital Option Menu.
- Set Welcome Message to ON to display the message when the TV is powered on.

- You can make the Welcome Message up to 25 characters long and edit it in the Hospital Service menu.
- Welcome Message supports the following characters:

  ✎ Capital Letters from A to Z.

- You can edit the Welcome Message by using the remote's navigation, color, and Enter buttons in the "**Edit Welcome Message**" OSD (See the illustration below.)



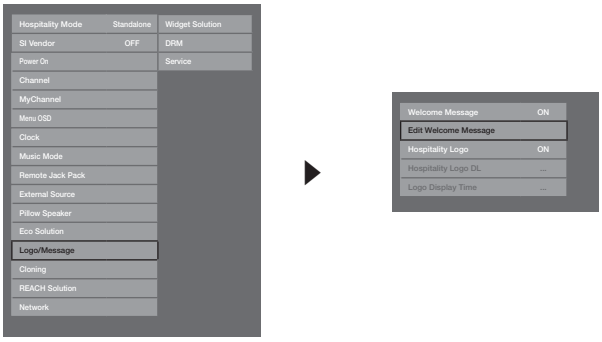
Below are the general directions for navigating and changing letters on the Edit Welcome Message screen:

- Press the **A** button on the remote to move to the left in the message.
- Press the **B** button to move to the right.
- After you have selected a position in the message, use the arrow buttons on your remote to select a letter in the alphabet below the message.
- Press **Enter** to place a letter into the position you selected.
- Press the **C** button to erase a letter in a position or enter a blank.
- Press **Return** or the **D** button to exit.

Hospitality Logo

The Hospitality Logo function displays the Hospital's picture image when the TV is initially powered on.

- Hospitality Logo settings are in the Hospital mode menus.
- The Logo Download and Logo Display Menu items are enabled when you turn the Hospitality Logo option on.
- If there is a logo image stored in memory and the Hospitality Logo option is on, the Hospitality logo is displayed when the TV is turned on.
- The Hospitality logo is not displayed when the Hospitality Logo option is off, even if the logo image has been loaded into the TV.



- **Hospitality Logo**
  - This option lets you choose whether the Hospitality Logo image is displayed or not.
  - Initial value is OFF.
  - Can be set to OFF or ON.
  - When set to ON, the Logo Download and Logo Time Display menu items become accessible.

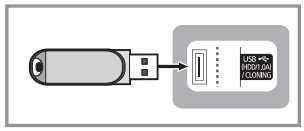
- **Logo Download**
  - This option lets you download the logo image to the TV's memory from a USB device.
  - A wait message appears while the image is being copied to the TV.
  - A "completed" message appears when the copy operation finishes successfully.
  - The word "failed" appears if the copy operation was unsuccessful.
  - **No USB** appears if no USB device is connected.
  - **No File** appears if there is no file to copy on the USB device or the file is in the wrong format (must be a BMP or AVI file). If No File appears and there is a logo file on the USB device, check the file format.

- **Logo File Format**
  - The TV supports only BMP and AVI format.
  - The file name must be samsung.bmp or samsung.avi.
  - The maximum resolution of the BMP format is 960 x 540.
  - The maximum file size for AVI format is 30MB.
  - The TV does not change the size or scale of the image.

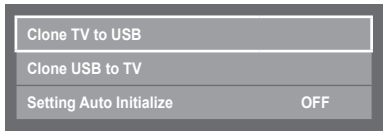
USB Cloning

The USB Cloning function lets you download user-configured settings (**Picture, Sound, Input, Channel, Setup**, and **Hospital Setup**) from one TV to a USB device, and then upload these settings from the USB device to other TV sets. This lets you create a standard file of settings and distribute that standard file to all the TVs in your facility.

- **Cloning from TV to USB**: Copies stored menu settings from a TV to a USB device.



1. Insert a USB drive into the **USB** port on the rear of the TV.
2. Enter the hospital option menu by pressing these buttons in order. **MUTE** → 1 → 1 → 9 → **ENTER**↵
3. Press the ▲ or ▼ button to select **Clone TV to USB**, and then press the **ENTER**↵ button.
4. The message **Clone TV to USB** is displayed. Press the **ENTER**↵ button.
5. The TV displays one of the following messages:
   - **In Progress**: Copying data to USB.
   - **Completed**: Copy operation was successful.
   - **Failed**: Copy operation was not successful.
   - **No USB**: USB is not connected.

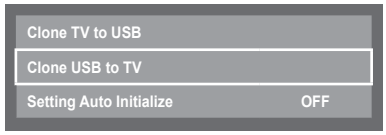


The clone folder will be labeled T-NVTF6AKUCB.

✎ The cloned values include the values on the Guest side menu (brightness, picture size, contrast, etc.) and the Hospital side menu.

Cloning from USB to TV: Copies menu settings from a USB device to a TV.

✎ **Shortcut**: Turn the TV off, insert the USB device, turn the TV on, and then press the **ENTER**↵ button for 5 seconds.



To clone data to the TV using the Hospital menu, follow these steps:

1. Turn the TV off.
2. Insert the USB drive into the USB port on the rear of the TV.
3. Turn the TV on.
4. Enter the Interactive menu by pressing these buttons in order. **MUTE** → 1 → 1 → 9 → **ENTER**↵
5. Press the ▲ or ▼ button to select “Clone USB to TV”, and then press the **ENTER**↵ button.
6. The message **Clone USB to TV** is displayed. Press the **ENTER**↵ button.
7. The TV displays one of the following messages:
   - **In Progress**: Copying data to TV.
   - **Completed**: Copy operation was successful.
   - **Failed**: Copy operation was not successful.
   - **No USB**: USB is not connected
   - **No File**: There is no file to copy on the USB device. If you get a No File message, check the folder on your USB device. The folder name should be T-MST14AKUCB.

✎ Tables that list the settings that are cloned in the Interactive and Standalone Hospital Menus begin on the next page.

- Settings Cloned in the Hospital Menu

Menu Item	Cloning Support
Hospitality Mode	Yes
SI Vendor	Yes
Power On Channel	Yes
Power On Channel Num	Yes
Power On Channel Type	Yes
Power On Volume	Yes
Power On Volume Num	Yes
Min Volume	Yes
Max Volume	Yes
Power On Source	Yes
Power On Option	Yes
Channel Setup	N/A
Channel Editor	N/A
Dynamic SI	Yes
Picture Menu Lock	Yes
Menu Display	Yes
Panel Button Lock	Yes
Home Menu Display	Yes
Home Menu Editor	Yes
Home Menu Auto Start	Yes
Clock Type	Yes
Local Time	Yes
Music Mode AV	Yes
Music Mode Comp	Yes
Music Mode Backlight	Yes
Priority AV	Yes
Priority HDMI	Yes
AV Option	Yes
HDMI Option	Yes
HDMI Music Mode	Yes
USB Pop-up Screen	Yes
External Source Banner	Yes
Auto source	Yes
Anynet+Return Source	Yes
Pillow Speaker Type	Yes
Speaker Select	Yes
Pillow Volume	Yes
Energy saving	Yes
Welcome Message	Yes
Edit Welcome Message	N/A

Menu Item	Cloning Support
Hospitality Logo	Yes
Hospitality Logo DL	N/A
Logo Display Time	Yes
Clone TV to USB	N/A
Clone USB to TV	N/A
Setting Auto Initialize	Yes
REACH 3.0	Yes
REACH 2.0	Yes
REACH Channel	Yes
Group ID	No
IPG Room Type	No
TICKER	Yes
REACH Update Time	Yes
REACH Update Immediate	Yes
Room Number	Yes
REACH 2.0 TV Sound	Yes
REACH 2.0 Server Version	N/A
Network Setup	N/A
SmartHub Model Setting	Yes
SmartHub Setting	N/A
Widget Mode	Yes
Solution Type	Yes
Server URL Setting	Yes
License Server IP Setting	Yes
IPTV Mode	Yes
Virtual Standby	Yes
Instant On	Yes
Room Num Setting	N/A
DRM Mode	Yes
PI AES Data	N/A
PI AES Log	Yes
View PI AES Log	N/A
Self Diagnosis for TV	N/A
Self Diagnosis for HTV	N/A
SW Update	N/A
Service Pattern	Yes
ATV Cable AGC Gain	Yes
DTV Open Cable AGC Gain	Yes
Sound Bar Out	Yes
TV reset	N/A

Multi Code Remocon

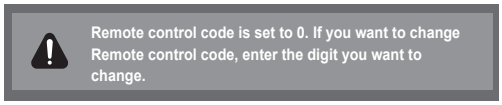
A Multi Code Remocon is a special remote which is designed to control multiple TVs.
This function is useful where there is more than one TV in a location.
You can control up to 10 TVs with a different ID code of each remote with no conflicts between the TVs. ID numbers are displayed on each TV's OSD.
The Initial ID code for each TV is “0”.

- You can set and reset the ID code in Analog TV mode or PC mode. (Not available in DTV mode.)
- You can set the ID code to any digit from 0 to 9.
- To set a TV's ID code, follow these steps:

  1. Aim the remote at the TV, and then press the **MUTE** button and the **RETURN** button simultaneously for more than 7 seconds. When you stop pressing the buttons, the TV displays the current ID in the middle of the screen and the words, "Remote control code is set to x. If you want to change the Remote control code, enter the digit you want to change."
  2. Press the number on the remote you want to assign to the TV. The TV displays the following words: "Remote control code is changed to x."

     ✎ The TV will display the OSD until you press the Exit button.

  See the example below.

  Example: After you see the message above, if you press 1, the TV and Remote will be set to ID code 1. The TV then displays the following message: “Remote control code is changed to 1”
  The TV can then only be controlled by a remote which has the same ID code (1).

- To reset the ID code, press the **MUTE** button and the **EXIT** button simultaneously for more than 7 seconds. When you stop pressing the buttons, the ID codes of the TV and Remote are reset to “0”. “Remote control code is set to 0.” appears on the TV

Setting Auto Initialize

When you clone settings from one TV to another, you clone both the guest side menu and hospital side menu settings: Picture, Sound, Input, Channel, Setup, and Hospital Setup. This lets you set nearly all the menu values on your hospitality TVs to the same, standard settings. If you allow guests access to the guest side menus, for example - the Picture menu - they can change the settings in those menus so they are no longer standard. If you set the Setting Auto Initialize function to On, the TV automatically restores (initializes) any guest-side menu values to the cloned, standard values when the TV is turned off and then turned on again. Note that Setting Auto Initialize works on cloned guest side menu values only. Settings which have not been cloned are ignored.

The table below lists the settings that are restored to their cloned values when you set the Setting Auto Initialize function to On.

Menu	Menu Item

Picture	Picture Mode
	Back light
	Contrast
	Brightness
	Sharpness
	Colour
	Tint (G/R)
	Apply Picture Mode
	Picture Size
	  Picture Size
	  Position
	PIP
	Advanced Settings
	  Dynamic Contrast
	  Black Tone
	  Flesh Tone
	  RGB Only Mode
	  Colour Space
	  White Balance
	  10p White Balance
	  Gamma
	  Expert Pattern
	  Motion Lighting
	Picture Options
	  Colour Tone
	  Digital Clean View
	  MPEG Noise Filter
	  HDMI Black Level
	  Film Mode
	  Auto Motion Plus
	Picture Off
	Reset Picture

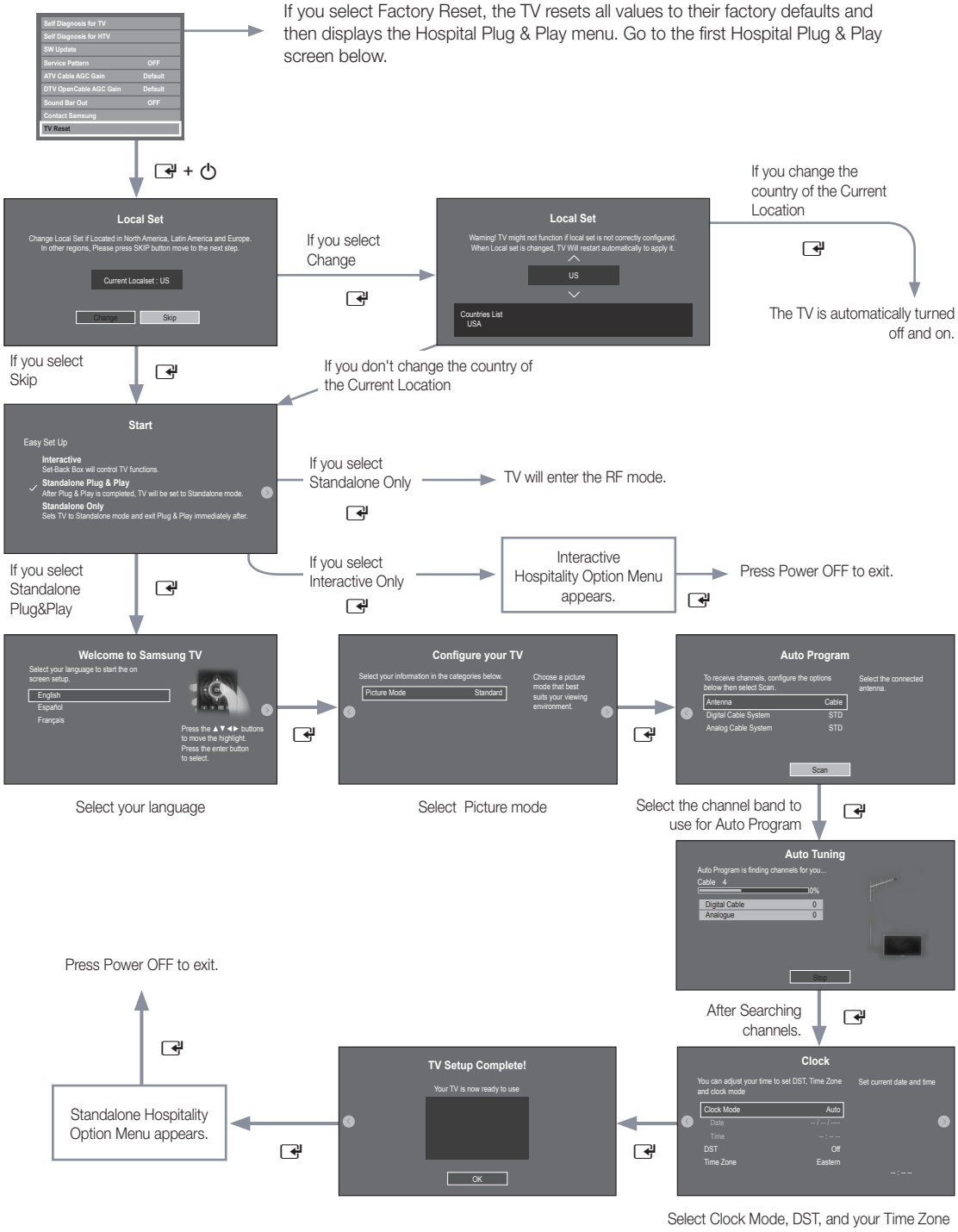
Sound	Sound Mode
	Sound Effect
	  Virtual Surround
	  Dialog Clarity
	  Equaliser
	Speaker Settings
	Additional Settings
	  Audio Format
	  Audio Delay
	  Auto Volume
	Reset Sound

Menu	Menu Item

System	Accessibility
	  Voice Guide
	  Visual Impaired
	  Caption
	  Menu Transparency
	  High Contrast
	Menu Language
	Smart Touch Control Settings
	  Touch Sensitivity
	  Onscreen Remote Size
	Voice Control
	  Language
	  TV Voice
	  Voice Gender
	Notifications
	Device Manager
	  Keyboard Settings
	  Mouse Settings
	Time
	  Clock
	  Sleep Timer
	Eco Solution
	  Energy Saving
	  Eco Sensor
	  No Signal Power Off
	  Auto Power Off
	Smart Security
	Auto Protection Time
	Change PIN
	General
	  Game Mode
	  BD Wise
	  Sound Feedback
	  Boot Logo
	  Instant On
	Anynet+ (HDMI-CEC)
	  Anynet+ (HDMI-CEC)
	  Auto Turn Off
	DivX® Video On Demand

Hospitality Plug & Play

The Hospitality Plug & Play function, which automatically performs the Hospital mode selection, Country Setup, Clock Setup, and Picture mode Setup, runs once when power is first turned ON. Setup also runs automatically after you have executed a Service Reset.



- **Hotel Plug & Play OSD**
  - Initially highlighted: Interactive
  - If you select the Standalone Only button, the Standalone hotel mode is set by default and the “Standalone mode is set” OSD appears for 3 seconds.
    TV enters RF mode automatically after displaying the “Standalone mode is set” OSD for 3 seconds.
  - If you select the Interactive mode, the Interactive Setup Menu is displayed. Press the power off key to exit from the Interactive menu.
  - If you select the Standalone Plug & Play mode, the “Select Menu Language” OSD appears.

- **LocalSet**
  - Initially highlighted: US
  - If you press the Enter key after selecting Change, you can change the country.
  - If the country is changed, the TV automatically turns off and on.
  - If you select the Interactive mode, the Interactive Setuap Menu is displayed. Press the power off key to exit from the Interactive menu.
  - If you select the incorrect country, execute TV Reset again after entering the System section of the Hotel Menu.

- **Select Menu Language OSD**
  - If you select Standalone from the “Select Hotel TV Mode” OSD, the “Select Menu Language” OSD appears.
  - Initially highlighted: English
  - Display time: OSD time out and operation are the same as Samsung's consumer TV models.
  - If you press the Enter key, the “Picture Mode” OSD appears

- **Picture Mode OSD**
  - Initially highlighted: Standard.
  - The TV displays the Picture Mode OSD where you can choose the Dynamic or a Standard Picture mode.

- **Auto Search Mode OSD**
  - If you press the Enter key, the TV automatically searches for channels.
  - The OSD Display time, which starts when the Auto Store operation is completed and continues until the Auto Sort function starts, is 30 seconds.

- **Set Clock Mode, DST(Daylight saving time), and Time Zone OSD**
  - Initially highlighted:
    Clock Mode : Auto, DST : Off, Time Zone : Eastern
  - If the TV will be tuned to digital broadcast channels, and these channels transmit date and time information, set the Clock Mode to Auto. The TV will set the date and time automatically.
  - If the TV will not be tuned to digital broadcast channels, set the Clock Mode to Manual, and then set the date and time on the TV manually.
  - Set DST On or Off to apply or not apply daylight saving time to the TV.
  - Select your time zone on the map that appears.

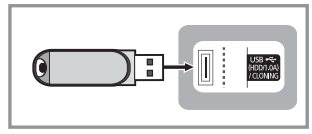
USB Software Upgrade Method

Samsung may offer upgrades to the TV's SW in the future. Please contact the Samsung Hospitality Hot line at 1-866-894-0524 to receive information about downloading upgrades and using a USB drive to update the SW by connecting the USB drive containing the upgrade to the USB port located on the TV.

When the software is upgraded, video and audio settings you have made will return to their default (factory) settings. We recommend you clone the hospital settings so that you can easily reset them after the upgrade.

To upgrade the TV's software, follow these steps:

1. Insert a USB drive containing the SW upgrade into the **USB** port on the side of the TV.
2. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select **Support**, and then press the **ENTER** button.
3. Press the ▲ or ▼ button to select **SW Upgrade**, and then press the **ENTER** button.
   The message **"Scanning for USB. This may take more than 1min."** is displayed.
4. The message **"Upgrade version XXXX to version XXXX? The system will be reset after upgrade."** is displayed.
   Press the ◄ or ► to select **OK**, and then press the **ENTER** button.



Please be careful to not disconnect the power or remove the USB drive while upgrades are being applied. The TV will turn off and turn on automatically after completing the SW upgrade. Please check the SW version after the upgrades are complete.

Channel Bank Editor

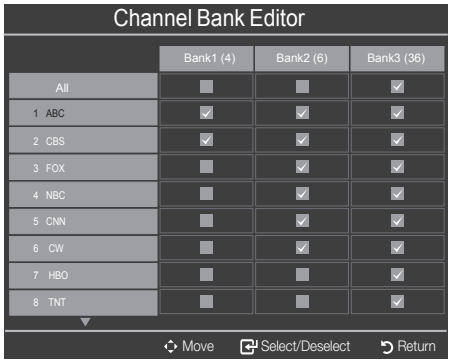
The Channel Bank Editor lets you control the channels the patient (or the guest) have access to.

The Channel Bank Editor provides three Banks of channels and lets you select which channels will be available from each bank.

You can control access to channels by setting the item of Channel Bank Service Level in Hospitality Option Menu.

Setting the Channel Bank Editor under Stand-alone Mode

1. Press MUTE+1+1+9+ENTER↵ on the remote to enter the Hospital Standalone menu.
2. Find the menu option of "**Channel**" -> "**Channel Bank Editor**"
3. Enter the "**Channel Bank Editor**".
4. Edit each Channel Bank. Select or deselect channels in each Channel Bank.



Setting Channel Bank Service Level

- Normal: All the channels available on the TV are accessible to the patient.
- Bank1/2/3: Only the channels assigned to the selected channel bank in the Channel Bank Editor are accessible to the patient.
- None: Channels cannot be changed by the patient. (The patient can watch only one channel set when TV is turned on.)

Channel Bank Set Up Sequence

Step	Only Air or Cable used If the TV starts with Hospital Plug&Play
1	Do a complete P&P (including Air or Cable auto tune)
2	After P&P, the TV displays the Hospital menu
3	Select the channel type - ATV or ADTV for Air - CATV or CDTV for cable
4	Select Channel Setup (Can be skipped)
5	Select "Air" or "Cable" to auto tune (Can be skipped)
6	Set up channels in Channel Bank Editor
7	Set up Channel Bank Service Level in the Hospital menu
8	After power off & on, guests can use the TV

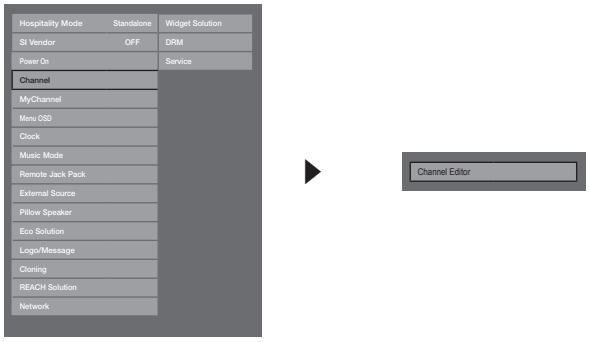
Channel Editor

The Channel Editor lets you edit the channels stored in the TV's memory. Using Channel Editor you can:

– Change the channel numbers and names, and sort the channels in your desired channel number order.

– Apply the video mute to channels you select. The video mute blanks out the video from a channel and outputs only the sound while displaying a speaker icon on the screen.

The Channel Editor also lets you view information about each channel easily, without your having to display each channel directly.

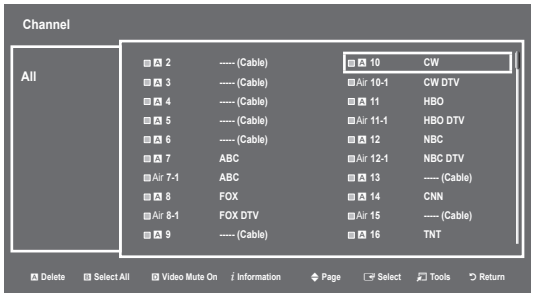


▪ <Depending on model and region, some menu items may not exist.>

General Steps for Using the Channel Editor in Stand-alone Mode

Step	Broad Outline
1	Run ‘Channel Auto Store’ in the Hospital Option Menu.
2	Enter ‘Channel Editor’ in the Hospital Option Menu.
3	On a piece of paper, compile a list of channels you want to have, arranged in the order you want.
4	Rearrange channels and edit channel names with the **TOOLS** Button based on the list you compiled.
5	Press the **EXIT** or **RETURN** Button to exit.
<For a detailed explanation of how Channel Editor works, see pages 31 through 34.>	

The picture below shows a sample Channel Editor screen.



- A Indicates an analog channel.
- Channels without an A are digital channels.

  ✎ If Dynamic SI in the Hospitality Option Menu is On, Channel Editor will display no digital channels. You must set Dynamic SI to Off before you can edit digital channels in Channel Editor.
- The guide at the bottom of the Channel Editor menu displays the remote buttons you need to press to apply Channel Editor functions.

❶ Using the remote's up or down arrow key, highlight the channel that you want to edit.

– To edit more than one channel, move the highlight to a channel, and then press the ENTER↵ key. A check will appear in the check box next to the channel. Repeat for each channel you want to edit.

❷ To delete the channel or channels you selected from the channel list, press the red button on the remote.

– To delete two or more channels simultaneously, select multiple channels in Step 1, and then press the red button on the remote.

❸ Press the green button on the remote to select all channels.

❹ To apply the video mute, press the yellow button on the remote.

– To apply the video mute to two or more channels simultaneously, select multiple channels in Step 1, and then press the yellow button on the remote.

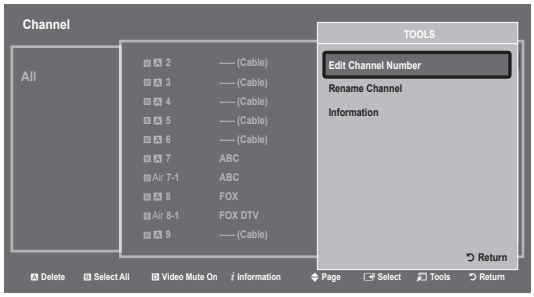
❺ To view information about a channel, including video mute set up, press the INFO button on the remote.

❻ Press the TOOLS button on the remote to rename a channel or change the channel number. See page 33.

Channel Editor Functions and Remote Buttons

A Red (**Delete**): Deletes a channel from the channel list.
B Green (**Select All**): Selects all channels at once.
C Yellow (**Deselect All**): Deselects all channels at once.
D Blue (**Video Mute On/Off**): You can set the **Video Mute On/Off**.
▲▼ (**Page**): Moves to next or previous page.
i (**Information**): Display details of the selected channel.
(**Tools**): Displays the option menu.
↩ (**Return**): Returns to the previous step or exits.

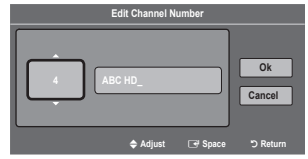
When you press the TOOLS button, the following menu is available.



- **Edit Channel Number**

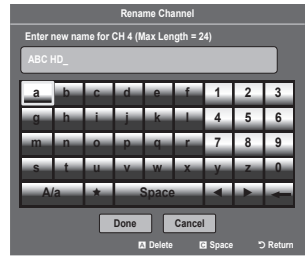
  Use **Edit Channel Number** to change the channel number of a channel you select.
  To change a channel number, follow these steps:
  1. Select a channel on the **Channel Edit** screen.
  2. Press the TOOLS button on your remote.
  3. Select **Edit Channel Number** in the Tools menu.
  4. Use the up or down arrow keys to change the channel number.
  5. Select **OK** when done, and then press the ENTER button.

  When you change the channel number, the channel information is not updated automatically.



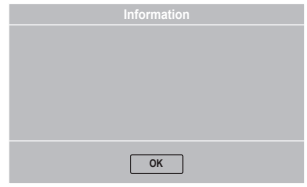
- **Rename Channel**

  Use **Rename Channel** to change the name of a channel you select.
  To change the name of a channel, follow these steps:
  1. Select a channel on the Channel Edit screen.
  2. Press the TOOLS button on your remote.
  3. Select **Rename Channel** in the Tools menu.
  4. Use the on-screen keyboard that appears to enter the new name for the channel. Use the arrow buttons on your remote to select a letter or number, and then press Enter. Repeat for each letter or number you want to select.
  5. When finished, select **Done** on the bottom of the screen, and then press the ENTER button.



- **Information**

  Use Information to view information about a channel you select.
  To view information about a channel, follow these steps:
  1. Select a channel on the Channel Edit screen.
  2. Press the TOOLS button on your remote.
  3. Select **Information** in the Tools menu.
  4. Select **OK**, and then press the ENTER button to close the Information screen.

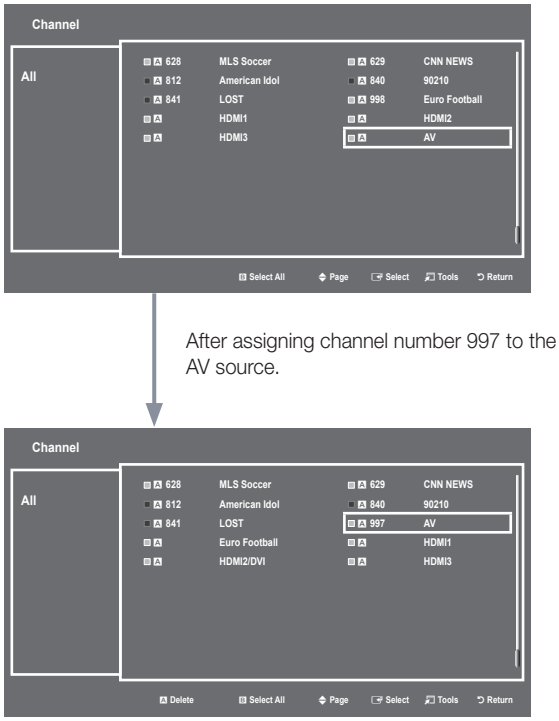


The external sources of this TV are displayed in the last page of the Channel Editor menu as shown in the example below.

In the example, there are two external sources connected to the TV, **HDMI2** and AV.

– You can assign a new analog channel to an external source by selecting the source on the last page, pressing the **TOOLS** button, selecting **Edit Channel Number**, and then using the up or down arrow button on the remote to select the channel number of the analog channel.

– If you tune to a channel after assigning the channel to an external source, you can enter the external source without opening the TV source menu.



Installing the Wall Mount

Wall or Ceiling Mounting

If you mount this product on a wall, it should be mounted only as recommended by the manufacturer. Unless it is correctly mounted, the product may slide or fall, causing serious injury to a child or adult, and serious damage to the product.

Installing the Wall Mount Kit

The wall mount kit (sold separately) allows you to mount the TV on a wall.

For detailed information on installing the wall mount, see the instructions provided with the wall mount. Contact a technician for assistance when installing the wall mount bracket. Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you select to install the TV on your own.

Securing the TV to the Wall

Caution: Pulling, pushing, or climbing on the TV may cause the TV to fall. In particular, ensure your children do not hang on or destabilize the TV. Doing so may cause the TV to tip over, causing serious injuries or death. Follow all safety precautions provided in the Safety Flyer included with your TV. For added stability and safety, you can purchase and install the anti-fall device as described below.

To Prevent the TV from Falling

✎ TV Holder Kits are sold separately. To purchase a TV Holder Kit, contact Samsung Customer Care.

1. Insert the screws into the wall brackets and firmly fasten them to the wall. Make sure the screws are firmly fixed to the wall.

✎ We strongly recommend you drive the screws into a stud.

2. Insert the screws into the wall brackets and firmly fasten the screws to the top VESA screw holes on theback of the TV.
3. Connect the brackets on the TV and the brackets on the wall with a strong string or cable, and then tie the string or cable tighrly to the brackets.

✎ Verify all connections are properly secured. Periodically check the connections for any sign of fatigue or failure. If you have any doubt about the security of your connections, contact a professional installer.

✎ Install the TV close to the wall so that it does not fall.

✎ Connect the string or cable so that the brackets on the wall are at the same height or lower than the brackets on the TV. Untie the string or cable before moving the TV.

Wall Mount Kit Specifications (VESA)

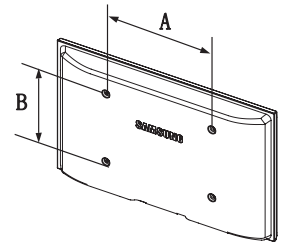
✎ The wall mount kit is not supplied, but sold separately.

Install your wall mount on a solid wall perpendicular to the floor. When attaching to building materials other than plaster board, please contact your nearest dealer. If you install the wall mount on a ceiling or slanted wall, TV may fall and cause severe personal injury.

✎ **NOTE**

- Standard dimensions for wall mount kits are shown in the table below.
- Samsung wall mount kits contain a detailed installation manual. All parts necessary for assembly are provided.
- Do not use screws that do not comply with the VESA standard screw specifications.
- Do not use screws that are longer than the standard dimension or do not comply with the VESA standard screw specifications. Screws that are too long may cause damage to the inside of the TV set.
- For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ depending on the wall mount specifications.
- Do not fasten the screws too firmly. This may damage the product or cause the product to fall, leading to personal injury. Samsung is not liable for these kinds of accidents.
- Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.
- Our 57” and 63” models do not comply with VESA Specifications. Use Samsung's dedicated wall mount kit for these models.
- Do not mount the TV at more than a 15 degree tilt.
- Always have two people mount the TV onto a wall.

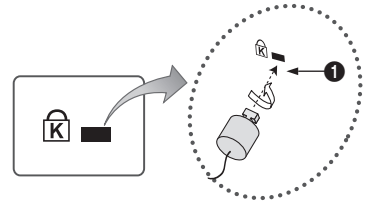
Product Family	TV size in inches	VESA screw hole specs (A * B) in millimeters	Standard Screw (Length * Pitch in mm)	Quantity
LED-TV	32~40	200 X 200	M8 (10~15 * 1.25)	4



Do not install your Wall Mount Kit while your TV is turned on. It may result in personal injury due to electric shock.

Anti-theft Kensington Lock

The Kensington Lock is a device you can use to physically fix a TV to a location when you use it in a public place. The appearance and locking method may differ from the illustration at right, depending on the manufacturer. Refer to the manual provided with the Kensington Lock for additional information on proper use.



<Optional>

The Kensington Lock is not supplied by Samsung.

✎ Please find the "" icon on the rear of the TV. A Kensington slot is beside the "" icon.

To lock the product, follow these steps:

1. Wrap the Kensington lock cable around a large, stationary object such as desk or chair.
2. Slide the end of the cable with the lock attached through the looped end of the Kensington lock cable.
3. Insert the locking device into the Kensington slot on the product ❶.
4. Lock the lock.

✎ These are general instructions. For exact instructions, see the User manual supplied with the locking device.

✎ The locking device has to be purchased separately.

✎ The location of the Kensington slot may be different depending on the TV model.

Specifications

Display Resolution	1920 x 1080	
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity	50°F to 104°F(10°C to 40°C) 10% to 80%, non-condensing -4°F to 113°F(-20°C to 45°C) 5% to 95%, non-condensing	
Model Name	HG32NC693	HG40NC693
Screen Size (Diagonal)	32" Class (31.5" measured diagonally)	40" Class (40.0" measured diagonally)
Sound (Output)	10W x 2	
Dimensions (WxHxD) Body	28.4 x 2.5 x 16.8 inches (721.4 x 64.9 x 428.5 mm)	35.6 x 2.5 x 20.9 inches (906.6 x 65.1 x 532.9 mm)
Weight Without Stand	11.0 lb (5.0 kg)	17.1 lb (7.8 kg)

✎ Design and specifications are subject to change without prior notice.

✎ This device is a Class B digital apparatus.

✎ For information about the power supply and more information about power consumption, refer to the label attached to the product.

Display Resolution

When you use your TV as a computer monitor, you can also select one of the standard resolutions listed in the Resolution column. The TV will automatically adjust to the resolution you choose.

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H / V)
IBM	640 x 350	31.469	70.086	25.175	+/-
	720 x 400	31.469	70.087	28.322	-/+
MAC	640 x 480	35.000	66.667	30.240	-/-
	832 x 624	49.726	74.551	57.284	-/-
	1152 x 870	68.681	75.062	100.000	-/-
VESA DMT	640 x 480	31.469	59.940	25.175	-/-
	640 x 480	37.861	72.809	31.500	-/-
	640 x 480	37.500	75.000	31.500	-/-
	800 x 600	37.879	60.317	40.000	+/+
	800 x 600	48.077	72.188	50.000	+/+
	800 x 600	46.875	75.000	49.500	+/+
	1024 x 768	48.363	60.004	65.000	-/-
	1024 x 768	56.476	70.069	75.000	-/-
	1024 x 768	60.023	75.029	78.750	+/+
	1152 x 864	67.500	75.000	108.000	+/+
	1280 x 720	45.000	60.000	74.250	+/+
	1280 x 800	49.702	59.810	83.500	-/+
	1280 x 1024	63.981	60.020	108.000	+/+
	1280 x 1024	79.976	75.025	135.000	+/+
	1366 x 768	47.712	59.790	85.500	+/+
	1440 x 900	55.935	59.887	106.500	-/+
	1600 x 900RB	60.000	60.000	108.000	+/+
	1680 x 1050	65.290	59.954	146.250	-/+
	1920 x 1080	67.500	60.000	148.500	+/+

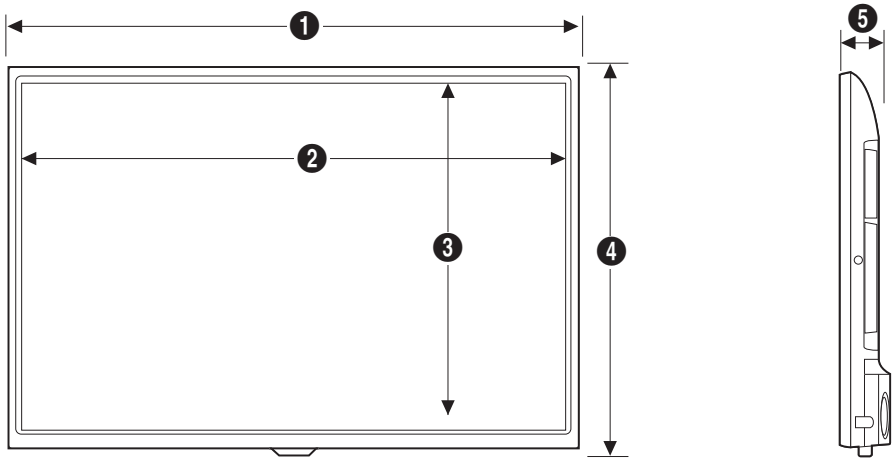
✎ NOTE

- The interlaced mode is not supported.
- The set might operate abnormally if you select a non-standard video format.
- Separate and Composite modes are supported. SOG (Sync On Green) is not supported.

Dimensions

HG32NC693 / HG40NC693

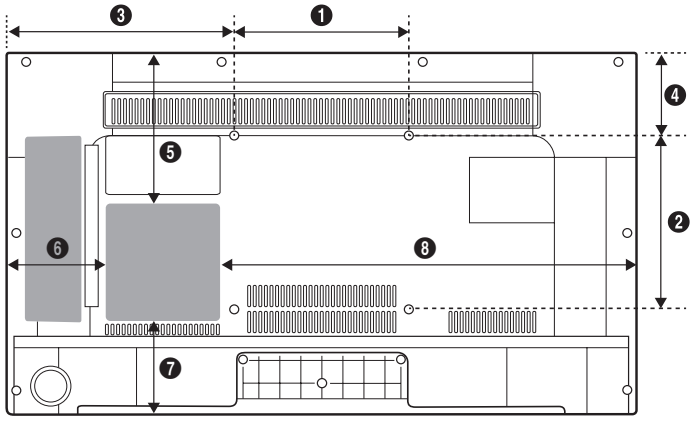
- Front view / Side view



(Unit: inches)

	❶	❷	❸	❹	❺
HG32NC693	28.4	27.5	15.5	17.7	2.5
HG40NC693	35.6	34.9	19.6	21.9	2.5

- Jack panel detail / Rear view



(Unit: inches)

	❶	❷	❸	❹	❺	❻	❼	❽
HG32NC693	7.8	7.8	10.2	3.7	6.9	4.4	4.3	18.8
HG40NC693	7.8	7.8	13.8	4.8	7.6	6.1	7.7	24.4

Correct Disposal of This Product (Waste Electrical & Electronic Equipment)
(Applicable in the European Union and other European countries with separate collection systems)
This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

Correct disposal of batteries in this product
(Applicable in the European Union and other European countries with separate battery return systems)
This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment. To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

Important Warranty Information Regarding Television Format Viewing

✎ See the warranty card for more information on warranty terms.
Wide screen format LED Displays (with aspect ratios of 16:9, the ratio of the screen width to height) are primarily designed to display wide screen format full-motion video. The images displayed on them should primarily be in the wide screen, 16:9 ratio format, or expanded to fill the screen if your model offers this feature, and the images are constantly moving. Displaying stationary graphics and images on screen, such as the dark sidebars on nonexpanded standard format television video and programming, should be limited to no more than 5% of the total television viewing per week.
Additionally, viewing other stationary images and text such as stock market crawls, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying stationary images that exceed the above guidelines can cause uneven aging of LED displays that leave subtle, but permanent burned-in ghost images in the LED picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars. On LED models that offer picture sizing features, use these controls to view different formats as a full screen picture.
Be careful in the selection and duration of television formats used for viewing. Uneven LED aging as a result of format selection and use, as well as burnedin images, are not covered by your Samsung limited warranty.

- SAMSUNG ELECTRONICS NORTH AMERICAN LIMITED WARRANTY STATEMENT
  Subject to the requirements, conditions, exclusions and limitations of the original Limited Warranty supplied with Samsung Electronics (SAMSUNG) products, and the requirements, conditions, exclusions and limitations contained herein, SAMSUNG will additionally provide Warranty Repair Service in the United States on SAMSUNG products purchased in Canada, and in Canada on SAMSUNG products purchased in the United States, for the warranty period originally specified, and to the Original Purchaser only.
  The above described warranty repairs must be performed by a SAMSUNG Authorized Service Center. Along with this Statement, the Original Limited Warranty Statement and a dated Bill of Sale as Proof of Purchase must be presented to the Service Center. Transportation to and from the Service Center is the responsibility of the purchaser. Conditions covered are limited only to manufacturing defects in material or workmanship, and only those encountered in normal use of the product.
  Excluded, but not limited to, are any originally specified provisions for, in-home or on-site services, minimum or maximum repair times, exchanges or replacements, accessories, options, upgrades, or consumables.
  For the location of a SAMSUNG Authorized Service Center, please call toll-free:
  – In the United States : 1-866-894-0524
  – In Canada : 1-800-213-8513

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Open Source License Notice is written only English.

NOTE TO CABLE TV INSTALLER

This reminder is provided to call the cable TV system installer's attention to Article 820–40 of the National Electric Code (U.S.A.). The code provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of the cable entry as practical.

MAINTENANCE AND SERVICING

Never remove the back cover of the TV; this can expose you to high voltage and other hazards. If the TV does not operate properly, unplug it and call an authorized service center.

CLEANING AND DISINFECTING

Clean the exterior of this television by removing dust with a lint-free cloth.

CAUTION: To avoid damage to the surface of the television, do not use abrasive or chemical cleaning agents.

RAIN AND MOISTURE

WARNING: To avoid the hazards of fire or electrical shock, DO NOT expose this television to rain or moisture.

OXYGEN ENVIRONMENT

WARNING: Do not use in any oxygen tent or oxygen chamber.

Such use may cause a fire hazard.

WET LOCATION

Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

SERVICE INSTRUCTIONS

CAUTION: These servicing instructions are for use by qualified service personnel only.

To reduce the risk of electric shock, do not perform any servicing other than contained in the operating instructions unless you are qualified to do so.

For 120 volt applications, use only a UL-Listed detachable power cord with NEMA configuration 5–15P type (parallel blades) plug cap.

For 240 volt applications, use only a UL-Listed detachable power supply cord with NEMA configuration 6–15P type (tandem blades) plug cap.

Warning - Wall Mounting

The product should be mounted to a wall only as recommended by the manufacturer. The product may slide or fall, causing serious injury to a child or adult, and serious damage to the product.

Correct Disposal of This Product (Waste Electrical & Electronic Equipment)
(Applicable in the European Union and other European countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

Correct disposal of batteries in this product
(Applicable in the European Union and other European countries with separate battery return systems)

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment. To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

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